United States Patent [19] Nesburn et al.			[11] [45]	Patent Number: Date of Patent:	5,024,742 Jun. 18, 1991
[54]	METHOD OF CROSSLINKING AMINO ACID CONTAINING POLYMERS USING PHOTOACTIVATABLE CHEMICAL CROSSLINKERS		[56] References Cited U.S. PATENT DOCUMENTS 4,505,855 3/1985 Bruns		
[75]	Inventors:	Anthony B. Nesburn, Malibu, Calif.; Michael Gorin, Rockville, Md.; Marvin Martinez, Glendale, Calif.; M. Cristina Kenney, Malibu; Ezra Maguen, Los Angeles, both of Calif.	4,597,999 7/1986 Lingwood		
[73]	Assignee:	Cedars-Sinai Medical Center, Los Angeles, Calif.	Attorney, [57]	Agent, or Firm—Lyon & ABSTRACT	Lyon
[21]	Appl. No.:	159,603	A method for molecularly crosslinking amino acid containing polymers by photoactivating chemical crosslinkers which have been combined with the polymers. Collagen crosslinked by this method can be used as a bioadhesive for sutureless closures of the skin and eye or as a superhydrated material for contact lenses, moist handage contact lens lens or corneal implant material		
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[51] [52]	Int. Cl. ⁵ U.S. Cl				

204/157.9; 525/54.1; 527/207

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[58] Field of Search 204/157.68, 157.9, 157.82,

21 Claims, No Drawings

or as a drug delivery mechanism.

or as a superhydrated material for contact lenses, moist bandage contact lens, lens or corneal implant material,